



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/737,409	12/15/2000	Seong-Beom Hong	678-567 (P9644)	8811
28249	7590	12/01/2005	EXAMINER	
DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. UNIONDALE, NY 11553			IQBAL, KHAWAR	
			ART UNIT	PAPER NUMBER
			2686	

DATE MAILED: 12/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/737,409

Applicant(s)

HONG, SEONG-BEOM

Examiner

Khawar Iqbal

Art Unit

2688

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5,7-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sonnenschein et al (6125080) and further in view of Gregg et al (6577848).

3. Regarding claims 1,7 Sonnenschein et al teaches a device for transmitting SOS signals in a mobile telecommunication terminal (MTT), comprising (figs. 1-3):

a memory for storing code signals of a format corresponding to each of a plurality of SOS phrases (col. 2, lines 41-64);

a user interface for selecting one of the SOS phrases stored in the memory of the MTT (col. 2, lines 41-64, col. 6, lines 55-67, col. 11, line 40-col. 12, line 4);

a control section for selecting the stored code signal corresponding to the selection of a user (col.6, lines 55-67);

a frequency generation section for generating a local oscillating frequency signal of a predetermined bandwidth when in an SOS service mod (col.4, lines 4-18, col. 9, lines 3-35, col. 7, lines 27-49); and

a frequency modulation section for modulating a frequency of the selected code signal of the corresponding format by inputting the local oscillating frequency signal of the predetermined bandwidth (col.4, lines 4-18, col. 9, lines 3-35, col. 7, lines 27-49),

Art Unit: 2688

wherein the MTT transfers to the SOS service mode according to the user's request emergency assistance and when the MTT is in a "No Service Area" or cannot communicate via the base station (col. 3, line 64-col. 4, line 18, col. 9, lines 3-35, col. 7, lines 27-49). Sonnenschein teaches the invention provides a method for carrying out a reliable, low power lightweight device, capable of receiving, displaying, and transmitting emergency messages underwater communication between two devices lacking a line of sight between any two or more members in the network. A user (8) such an emergency notification signal, when a SOS button (fig. 2, element 7) is pressed, user (3) receives the emergency notification signal transmitted from the user (8) and also alerting that an emergency signal has been received. When a device activates an SOS message, the SOS receiving units on all the devices in the network receive SOS message and consequently, display the SOS message and identification code of the device which sent it, and activate a special SOS alarm (col. 12, lines 45-50, figs. 1-3). The emergency situation is notified correctly even if the user device is in area where communication with a base station cannot be established for example see col. 6, line 46 "a relay apparatus 16 (optional)" and the transmitted SOS message may assist special locating devices to locate the lost device and diver, that may be in an emergency situation (col. 12, lines 60-65). Sonnenschein et al does not specifically state MTT cannot communication via the base station.

In an analogous art, Gregg et al teaches MTT cannot communication via the base station (col. 1, lines 15-34). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of

Art Unit: 2688

Sonnenschein et al by specifically adding feature the when the MTT cannot communication via the base station in order to enhance system performance the first communication mode and the second communication mode are switched based on the emergency as taught by Gregg et al.

Regarding claims 2 and 8 Sonnenschein et al teaches wherein the user interface provides a sentence editing function for editing the SOS phrases (col. 11, line 40-col. 12, line 5).

Regarding claims 3 and 9 Sonnenschein et al teaches wherein the frequency bandwidth is a bandwidth used by rescue teams (col. 3, lines 53-col. 4, line 18, col. 12, lines 55-67).

Regarding claims 4 and 10 Sonnenschein et al teaches wherein the frequency bandwidth is a high frequency bandwidth (col. 3, lines 5-11).

Regarding claims 5 and 11 Sonnenschein et al teaches wherein the frequency generation section generates a predetermined frequency allotted for an SOS service in the mobile telecommunication terminal (col. 3, line 53-col. 4, line 18, col. 9, lines 3-35).

1. Claims 6 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sonnenschein et al (6125080) and further in view of Gregg et al (6577848) and Reynolds (5929777).

Regarding claims 6 and 12 Sonnenschein et al does not specifically teach wherein the code of the corresponding format is Morse code. Sonnenschein et al teaches the communication device includes a demodulator for demodulating received modulated signals to produce a demodulated string. A decoder is used for decoding a

Art Unit: 2688

message from the demodulated string. A display displays a received message and an identification code of a transmitter.

In an analogous art, Reynolds teaches wherein the code of the corresponding format is Morse code (col. 4, lines 24-26, col. 6, lines 53-54).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sonnenschein et al and Gregg et al by specifically adding features in order to enhance system performance of the code of the corresponding format is Morse code purpose of increasing the efficiency of system as taught by Reynolds.

Response to Arguments

2. Applicant's arguments with respect to claims 1-12 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

Art Unit: 2688

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Khawar Iqbal whose telephone number is (571) 272-7909.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal


RAFAEL PEREZ-GUTIERREZ
PRIMARY EXAMINER
11/20/25